

and the harda-nuts were light. The number of bamboos extracted rose from 564,399 to 1,191,073.

98. *Dhárwár*.—The yield of teak (23,000 cubic feet in 1889-90 against 28,700 cubic feet in 1888-89) and junglewood-rafters (2,000 cubic feet against 2,500 cubic feet) shows a decrease; so does that of *jeráyeti*-wood (10,000 cubic feet against 13,300). But the out-turn of firewood removed by carts rose from 5,130 in 1888-89 to 6,102 in 1889-90, and that removed by animal-loads from 6,960 to 13,512. The quantity removed by head-loads fell from 32,728 to 26,610 cubic feet, and the stacks taken from coupes, from 205,092 cubic feet to 200,160. The yield of sandalwood was 26 khandis against 22 of the previous year. The number of bamboos extracted was 416,283 against 560,341.

99. *Bijápur*.—The yield of timber and firewood was as follows:—

	1888-89.	1889-90.
Jantis. ...	... Head-loads = 60,541	Cubic-feet. 51,283 cubic-feet.
Firewood....	... Cart-loads = 54,468	„ 50,148 „
Do. ...	... Animal-loads = 128,204	„ 71,976 „
Do. ...	... Head-loads = 115,764	„ 128,679 „

Kolába-Ratnágiri.

100. *Kolába*.—The yield of teak-trees amounted to 658,000 cubic feet against 504,525 in 1888-89, and of teak-beams to 35,000 cubic feet against 77,810 cubic feet.

101. The firewood removed amounted to 97,048 cubic feet against 92,000 cubic feet.

102. A rough estimate of yield appears to warrant a higher one than that exploited in previous years.

103. *Ratnágiri*.—The out-turn of teak was 102,708 cubic feet against 98,370. 206 cubic feet of *injáli* timber were also extracted during the year under report; but the firewood removed amounted to only 1,080 cubic feet against 2,200 cubic feet of the previous year.

104. The Saw-Mills at Kannigeri, in Kánara, were closed on the 31st May 1889, and advertised for sale under Government orders. During the year, three engines, the major portion of the machinery, and some minor stores and tools, were sold for Rs. 7,278. Most of the machinery was old.

105. The receipts during the year at the mills up to the date on which they were closed amounted to Rs. 12,509 and the expenditure Rs. 3,645.

CHAPTER V. FINANCIAL RESULTS.

106. The details of the year's transactions are shown in forms Nos. 58 to 62, appended.

107. The receipts and expenditure of the Southern Circle for the years 1888-89 and 1889-90 were—

Year.	Receipts,		Surplus or Net Revenue,
	Rs.	Rs.	
1888-89 ...	... 12,73,554	6,75,601	5,97,953
1889-90 ...	... 13,25,676	6,50,843	6,75,333

108. The increase is mainly due to the sale of a larger quantity of fuel to the Southern Marátha Railway Company in Belgaum, and of standing teak in Kolába. The quantity exploited in either case is well within the estimated sustained yield of the tracts treated.

109. The gross revenue of the year exceeds that of 1888-89 by Rs. 52,122 and the net revenue by Rs. 77,380. The charges are less by Rs. 25,258.

110. The following shows the revenue and outstandings at the end of the year :—

year.	Amount realized.	Balance due to the Department at the end of the year.	
		Rs.	Rs.
1888-89	12,73,554		1,99,485
1889-90	13,25,676		2,29,425

111. The actual profit to be credited to the year 1889-90 was, therefore, $Rs. 6,75,338 + 2,29,425 - 1,99,485 = Rs. 7,05,273$.

112. The following statement shows the receipts and charges for 1883-89 and 1889-90 under each main head :—

Heads of Revenue and Charges.	1888-89.	1889-90.	Increase.	Decrease.
	Rs.	Rs.	Rs.	Rs.
RECEIPTS.				
I.—Timber and other produce removed from forests by Government agency ...	8,78,590	9,10,829	32,239	...
II.—Timber and other produce removed from the forests by consumers or purchasers ...	3,87,412	4,00,074	12,662	...
III.—Confiscated, drift and waif wood ...	1,561	2,193	632	...
IV.—Revenue from forests not managed by Government ...	66	214	148	...
V.—Miscellaneous ...	5,925	12,366	6,441	...
Total	12,73,554	13,25,676	52,122	...
CHARGES.				
<i>A.—Conservancy and Works.</i>				
I.—Timber and other produce removed from the forests by Government agency ...	3,34,836	3,16,846	...	17,990
II.—Timber, &c., removed from forests by consumers or purchasers ...	7,038	5,847	...	1,191
III.—Confiscated, drift and waif wood ...	49	75	26	...
V.—Rent of leased forests and payments to share-holders in forests managed by Government ...	9,476	5,231	...	4,245
VI.—Live-stock, stores, tools and plant ...	1,998	1,578	...	420
VII.—Communications and buildings ...	6,740	5,494	...	1,246
VIII.—Demarcation, improvement and extension of forests ...	61,191	62,303	1,112	...
IX.—Miscellaneous ...	1,126	1,951	825	...
Total A....	4,22,454	3,99,325	1,963	25,092
<i>B.—Establishments.</i>				
I.—Salaries ...	2,05,222	2,03,398	...	1,824
II.—Travelling allowances...	33,170	33,854	684	...
III.—Contingencies ...	14,755	13,766	...	989
Total B....	2,53,147	2,51,018	684	2,813
Total Charges, A. & B. .	6,75,601	6,50,343	2,647	27,905

RECEIPTS.

113. The receipts show an increase under all main heads. The increase against I is met with as follows:—Rs. 23,721 under 'b Firewood', Rs. 9,871 under 'd Sandalwood' and Rs. 13,444 under 'e Grass and other minor produce.' The increase is due (1) to the sale of a larger quantity of fuel supplied to the Southern Marátha Railway Company, (2) to the sale of some sandalwood remaining over from the previous year's supply and to better rates obtained for that wood, and (3) to a better crop of myrabollams in the Southern Division of Kánara. The prices obtained for hardás were also higher.

114. On the other hand 'a Timber' shows a decrease of Rs. 14,744, which occurs in the Central Division of Kánara (Rs. 26,675), in Belgaum (Rs. 8,469), Dhárwár (Rs. 31,172) and Kolába (Rs. 3,578). In the two first-named Divisions, the value of a part of what was sold was not credited in the year's receipts. The decrease in the Central Division of Kánara was also partly due to the contractors having failed to bring in the required quantity of timber on account of the epidemic which decimated the number of their work-people. In Dhárwár a smaller quantity was exploited owing to diminished demand; and, in Kolába, departmental operations were reduced because better prices were realizable by the sale of standing timber. The figures of the Northern Division of Kánara, however, show an increase of Rs. 55,631, which is due to the sale of a larger quantity of timber.

115. The sub-head 'IIa' shows an increase of Rs. 32,155. This is ascribable to a better demand for wood for export in Kolába and in the Northern Division of Kánara, and for local use in Southern Kánara. In Belgaum a greater quantity of timber-standards in fuel cuttings was sold. On the other hand, 'IIb Firewood' shows a decrease of Rs. 16,252, which occurs in the Northern and Central Divisions of Kánara and in Kolába. In the Central Division of Kánara, it is reported that fuel-contractors failed to pay the full amount due during the year, and in the two other divisions there was less demand for fuel. Receipts under 'd Grazing and fodder grass' show an improvement.

116. The increase appearing under V is owing (1) to fines levied on contractors for breach of their agreements, (2) to a sum of Rs. 3,627 paid by the Southern Marátha Railway Company for land, and (3) to carts and cattle (worth about Rs. 1,500) having been sold in Belgaum.

EXPENDITURE.

A.—Conservancy and Works.

117. The decrease under 'Ia' (Rs. 40,750) is owing to a corresponding decrease in revenue. The closing of the saw-mills in the Central Division of Kánara also effected a saving of Rs. 11,554. The increase under Ib and e is due to an increase of revenue under the corresponding heads of receipts.

118. The decrease under II is owing to remuneration, due for several years, having been paid to village-officers during 1888-89 in the Southern and Northern Divisions of Kánara and in Dhárwár. That under V and VII is due (1) to smaller payments to Khots and Rakhwáldárs in Kolába, and (2) to less expenditure incurred on 'Roads and Bridges.' Under VIIIa and e there are increases of Rs. 2,999 and Rs. 5,196, respectively, due to increased operations connected with the demarcation of forests in the Central and Northern Divisions of Kánara, and to expenditure on fire-protection.

119. On the other hand, the expenditure under 'VIIIc' shows a decrease of Rs. 6,628, which is due to less expenditure on organization-work.

B.—Establishments.

120. The decrease under this head is Rs. 2,129, which is mainly ascribable partly to there being no separate Divisional Officer for Ratnágiri, and partly to absence of officials on leave.

121. The following shows the value, calculated at seigniorage-rates, of the forest produce granted free:—

Division.	VALUE OF FREE GRANTS MADE DURING						REMARKS.
	1888-89.			1889-90.			
	Rs.	a.	p.	Rs.	a.	p.	
Northern Division of Kánara ...	15,225	10	9	4,598	9	11	
Central Division of Kánara ...				6,148	12	5	
Southern Division of Kánara ...				4,439	11	4	
Belgaum	130	7	5	141	13	3	
Dhárwár... ...				35	0	0	
Kolába	94	0	0	834	15	1	
Ratnágiri				35	0	0	
Total ...	15,450	2	2	16,233	14	0	

CHAPTER VI.

GENERAL REMARKS.

FINANCIAL RESULTS.

122. The improvement in net revenue, anticipated in last year's report, has been realized, and will no doubt continue during the current year; but in order to fully develop the resources of the Supa-forests, it will be necessary to construct the bullock-tramway, from Shiróli to Halliál, unanimously recommended by the members of the Committee appointed by Government to consider the question.

HEALTH, &c., OF ESTABLISHMENTS.

123. The influenza epidemic caused an unusual amount of sickness, particularly in Kánara, and nearly all members of the executive and protective establishments suffered severely from it at a time when their services were most required. Sickness was also more prevalent than usual amongst the villagers who are employed by the Forest Department, and this, added to an outbreak of anthrax amongst the cattle employed by them, seriously affected the exploitation of timber in Kánara.

124. I am pleased to be able to report favourably on the work of the superior officers serving in the Southern Circle. Mr. H. Mitra, whose conduct during the previous year was not satisfactory, is reported to have done much better during the year under report.

125. The-Divisional Officers have specially brought to my notice the good work done by the following officers:—

Forester Mahableswar Nágapá, Range-Forest-Officer.

Forester Sheshgir Govind.

Forester Abdul Rauf, Range-Forest-Officer.

Belgaum Divisional Office Head-Clerk F. X. Saldanha.

Ranger Ganpat Rege.

Forester Hassan valad Mohidin, Range-Forest-Officer.

TOUR OF INSPECTION.

126. On the 1st April, I was at Poona on my way to Belgaum from Kolába, and on the 12th I arrived at Hemadge in the Belgaum District. From Hemadge I went to Anmod in the Northern Division of Kánara, and thence to Birchí and Jagalbet. From Jagalbet I passed through the reserves, extending along the Railway, which furnish fuel for the locomotives, to Nágargáli, which was reached on the 15th May, and on the 18th, I went into Head-Quarters for the rains.